

## Longtao Wu

### Education:

- Ph. D., Atmospheric and Oceanic Sciences, University of Wisconsin-Madison, (2009)
- M.S., Atmospheric Sciences, Beijing University (2004)
- B.S., Atmospheric Sciences, Beijing University (2001)

### Research Interests:

- Mesoscale modeling
- Aerosol, cloud and precipitation processes
- Polar low dynamics
- Calibration and validation of satellite products
- Remote sensing
- Sea ice

### Professional experience:

- Post-doctorate Scholar, Jet Propulsion Laboratory, California Institute of Technology, USA (2010 – present)
- Research Assistant, Department of Atmospheric and Oceanic Sciences, University of Wisconsin-Madison, USA (2004 – 2009)
- Research Assistant, National Marine Environmental Forecasting Center, China, (2002-2004)
- Research Assistant, Department of Atmospheric Science, Beijing University, China (2001 - 2004)

### Selected Publications:

- Petty, G. W. and **L. Wu**, 2010: Validation and Intercomparison of Maritime Precipitation Estimations from AMSR-E. In preparation.
- **Wu, L.**, J. E. Martin and G. W. Petty, 2010: Piecewise Potential Vorticity Inversion Diagnosis of the Development of a Polar Low. Submitted to *Monthly Weather Review*.
- **Wu, L.** and G. W. Petty, 2010: Intercomparison of Bulk Microphysics Schemes in Simulations of Polar lows. *Monthly Weather Review*: In Press
- **Wu L.**, H. Wu, L. Sun etc., 2006: Retrieval of Sea Ice in the Bohai Sea from MODIS Data, *Periodical of Ocean University of China*, Vol. 36, No. 2, 173~179.
- **Wu L.**, H. Wu, W. Li, etc., 2005: Sea Ice Drifts in Response to Winds in the Bohai Sea, *Acta Oceanologica Sinica*, No. 5, 15~21.
- Li W., **L. Wu**, C. Zhang, J.-Y. Yu, 2003: Retrieval of Atmospheric Vertical Temperature Profile above Sea Level with Satellite Remote Sensing, *Acta Scientiarum Naturalium Universitatis Pekinensis*, Vol.39, No.5, 656~665.